

**ABSTRACT**

The time necessary for dubbing of a bit stream is reduced.

A high speed dubbing apparatus includes: a read section (20) for reading a bit stream conforming to a DVD-VR standard from a first storage device (10), and outputting the bit stream; a first buffer (30) for storing an output from the read section (20) and outputting a bit stream; a navigation pack generator (40) for replacing a real time data information pack in the bit stream output from the first buffer (30) with a navigation pack, and outputting a resultant bit stream; a second buffer (50) for storing an output from the navigation pack generator (40) and outputting a bit stream; and a write section (60) for converting the bit stream output from the second buffer (50) into a bit stream conforming to a DVD-video standard, and writing the resultant bit stream in a second storage device (70). At least two of the read section (20), the navigation pack generator (40) and the write section (60) operate in parallel.